EXPEDITE

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M. A. L.

CENTRAL INTELLIGENCE AGENCY

This material contains information affecting the National Defense of the United States within the meaning of the Espionage Laws, Title 18, U.S.C. Secs. 793 and 794, the transmission or revelation of which in any manner to an unauthorized person is prohibited by law.

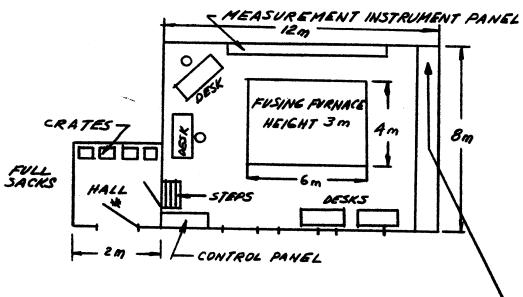
	C-O-N-F-I-D-E-N-T-I-A-L	•
		50X1-HUM
COUNTRY	USSR (Vladimir Oblast) REPORT	
SUBJECT	Production of Rocket and Space Ship DATE DISTR. 19 Jul Materials at Dzerzhinsk Glass Factory (Pacilities, skutch of layout, NO. PAGES limited in 6 concerns use of quarte class containing air tubbles as rocket nose REFERENCES conces)	y 1961 50X1-HUM
DATE OF NFO. PLACE & DATE ACQ.		
1.	the Dzerzhinsk Glas in Gus Khrustalnyy (N 55-37, E 40-40), USSR. Within the fact there is an old building in a restricted area referred to as 40" (See sketches 1 and 2). As of July 1960, quartz glass produced in this building for use in manufactureoff pockets. The moulds for the production of the quartz glass were made powdered graphite. This section also produced other firepresent and engaged in experimentation. The section worked in shift	tory grounds "Section was being (sic).2 by pressing of materials
2.	Soviet chemists at the central laboratory of the Dzerzhinsk were experimenting with quartz glass which contained air but	
	The glass contained air twnich closely resembled those observed at the Dzerzhinsk centaboratory.	
3.	•	
	a special section produced quartz glasused in the manufacture of space ships. This quartz glass cheated to a temperature of 1,800 degrees without losing its and could be plunged at this temperature into cold water with	ould be solid form
		50X1-HUM
	C-O-N#F-I-D-E-N-T-I-A-L	5
		50X1-HUM
STATE	X ARMY # X MAYY # X AIR # X NSA X RECK NIC X ORE	

-2-

50X1-HUM

SKETCH No. 1. NOT IN SCALE

PLAN OF THE INTERIOR OF BUILDING No. 40



* PLACE WHERE THE MAIN FURNACE IS LOCATED IS ABOUT 2.5 M BELOW THE HALL,

C-O-N-F-D-D-E-N-T-I-A-L

SKETCH SHOWING THE LOCATION OF BUILDING No. 40

C-O-N-F-I-D-E-N-T-I-A-L

-3-

50X1-HUM

SKETCH # 2 NOT IN SCALE



FACTORY ENTRANCE

ROAD IN FRONT OF FACTORY

POLISHING SECTION

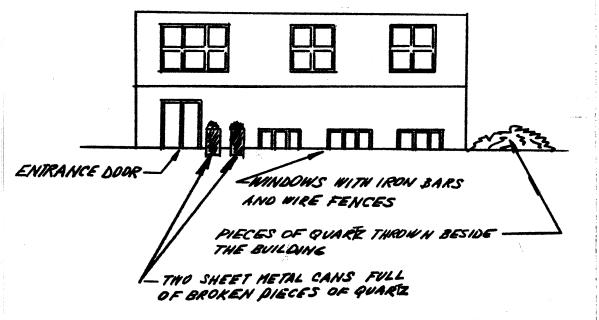
METAL CHIMNEY 30cm WOIAM.

CHIMNEY 40 x 30 cm COVERED -

BLENDING SECTION OF NO. 40

ENTRANCE INTO BUILDING Nº. 40

FRONT VIEW OF THE BUILDING No. 40



C-O-N-F-I-D-E-N-T-I-A-L

	C- O- N- F- T- D- E- N-T- T- A-T.	50X1-HUM
	-:4-	COXT TIOM
	Comments:	50X1-HUM
1.		
	the section was restricted to authorized Soviet personnel.	_
	Comment:	50X1-HUM
2.	Although the quartz glass would not be suitable for use in rocket nose cones, according to available information there is a plant in the vicinity of the Dzerzhinsk Plant which produces glass fibre.	
	Comments:	50X1-HUM
3.	produced ceramic materials, the raw product for which came from the Ural Mountains. The processed materials of "Section "40" were resistant to high temperatures and were used not only in the manufacture of rockets but also in instruments such as pyrometers for measuring high temperatures.	
		50X1-HUM

C-O-SNOF-CIODOF-UN-T-I-A-I.

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CENTRAL INTELLIGENCE AGENCY

INFORMATION PEPORT MICHMA

			N-T-I-A-L				50X1-HUN
COUNTRY	USSR (Vladimir Oblast)		REPORT				
BUBJECT	Production of Rocket an Materials at Dzerzhinsk Factory		DATE DISTR.	19 5	July 196	1	
			REFERENCES				50X1-HUN
ATE OF NFO. LACE & ATE ACQ.				-1			
							`
1.	in Gus Khrustalnyy (N there is an old buildin 40" (See sketches 1 and produced in this build. The moulds for the produced graphite. The and engaged in experiments	ng in a restrict 12). As of Ju ing for use in a duction of the o is section also	, USSR. With: ted area refer uly 1960, qua- manufactureos; quartz glass u produced othe	in the rred t rtz gl rock were m er fir	o as "Sectass was been (sic) ade by preprior materials	grounds tion eing 2 essing	
2.	Soviet chemists at the						
	were experimenting with		•		and the second s	Factory	50X1-HU
		n quartz glass t	which contained glass contained	ed air ined a	bubbles.		50X1-HU
3.	were experimenting with	n quartz glass t	which contained glass contained	ed air ined a	bubbles.		
	were experimenting with which closely resembled laboratory.	those observed	produced of this quartees without loss	ed air ined a zhinsk quartz tz gla osing	bubbles. ir bubbles central glass all ss could less solid	legedly be form	
	which closely resembled laboratory. a specused in the manufacture heated to a temperature	those observed	produced of this quartees without loss	ed air ined a zhinsk quartz tz gla osing	bubbles. ir bubbles central glass all ss could less solid	legedly be form	50X1-HUI 50X1-HUI
	which closely resembled laboratory. a specused in the manufacture heated to a temperature	those observed cial section of space ships of 1,800 degree this temperature.	produced of this quartees without loss	ed air ined a zhinsk quartz tz gla osing	bubbles. ir bubbles central glass all ss could less solid	legedly be form	

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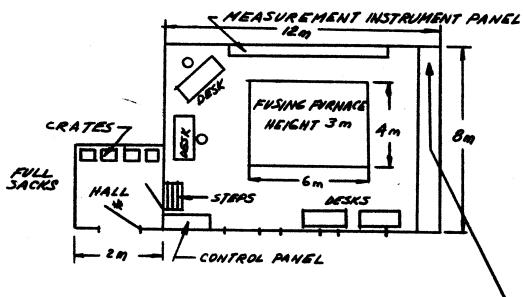
(Note: Washington distribution indicated by "X"; Field distribution by "#".)

-2-

50X1-HUM

SKETCH No. 1. NOT IN SCALE

PLAN OF THE INTERIOR OF BUILDING No. 40



* PLACE WHERE THE MAIN FURNACE IS LOCATED IS ABOUT 2.5 M BELOW THE HALL,

C+O-N-F-1-D-E-N-T-I-A-L

SKETCH SHOWING THE LOCATION OF BUILDING No. 40

C-O-N-F-I-D-E-N-T-I-A-L

-3-

50X1-HUM

SKETCH # 2 NOT IN SCALE

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FACTORY ENTRANCE

ROAD IN FRONT OF FACTORY

POLISHING SECTION

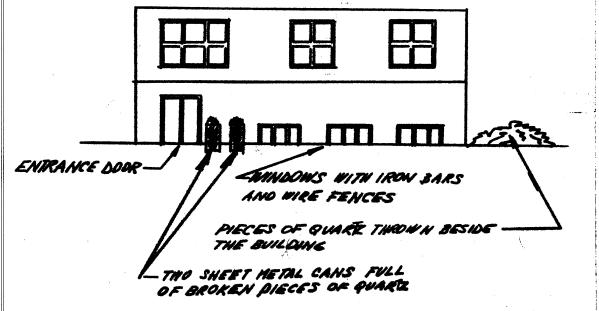
METAL CHIMNEY 30cm W DIAM.

CHIMNEY 40x 30 cm COVERED .

BLENDING SECTION OF NO. 40

ENTRANCE INTO BUILDING NO. 40

FRONT VIEW OF THE BUILDING No. 40



C-O-N-F-I-D-E-N-T-I-A-L

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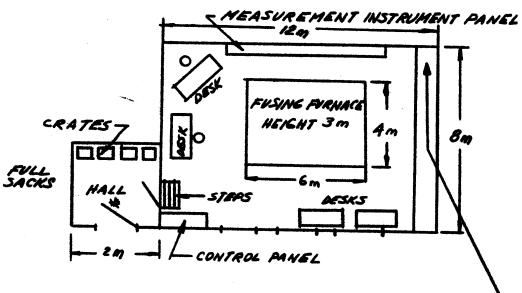
	C-O-N-F-I-D-E	-N-T-I-A-L	50V4 1 11 18 4
			50X1-HUM
COUNTRY	USSR (Vladimir Oblast)	REPORT	
SUBJECT	Production of Rocket and Space Ship Materials at Dzerzhinsk Glass	DATE DISTR. 19 July	1961
	Factory	NO. PAGES 5	
		REFERENCES	50X1-HUM
DATE OF NFO.	·		
PLACE & DATE ACQ.			<u> </u>
1.	in Gus Khrustalnyy (N 55-37, E 40-40 there is an old building in a restritor (See sketches 1 and 2). As of produced in this building for use in the moulds for the production of the powdered graphite. This section alsund engaged in experimentation. The	cted area referred to as "July 1960, quartz glass wa manufactureoff rockets (s quartz glass were made by produced other fireproof	ry grounds Section s being ic).2 pressing materials
2.		atory of the Dzerzhinsk Gl	ass Factory
	which closely resembled those observed laboratory.	ne glass contained air bub ed at the Dzerzhinsk centr	
3.			50X1-HUM
	a special section	produced quartz glass	allegedly
	used in the manufacture of space ship heated to a temperature of 1,800 degrand could be plunged at this temperary	rees without losing its so	lid form
	C-O-NNF-I-I	D-E-N-T-I-A-I.	50X1-HUM
TATE]	X ARMY # X NAVY # X AIR # X NSA	X XXX NIC x CERVE	X OCR X

-2-

50X1-HUM

SKETCH No. 1. NOT IN SCALE

PLAN OF THE INTERIOR OF BUILDING No. 40



PANEL NAVING ELECTRIC CONNECTIONS AT THE ——
PARTS NEAR THE CEILING PROBABLY ELECTRICAL
ENERGY PANEL.

* PLACE WHERE THE MAIN FURNACE IS LOCATED IS ABOUT 2.5 M BELOW THE HALL,

C-O-N-F-D-D-E-N-T-I-A-L

SKETCH SHOWING THE LOCATION

C-O-N-F-I-D-E-N-T-I-A-L

-3-

50X1-HUM

SKETCH # 2 NOT IN SCALE



POLISHING SECTION

METAL CHIMNEY 30cm W DIAM.

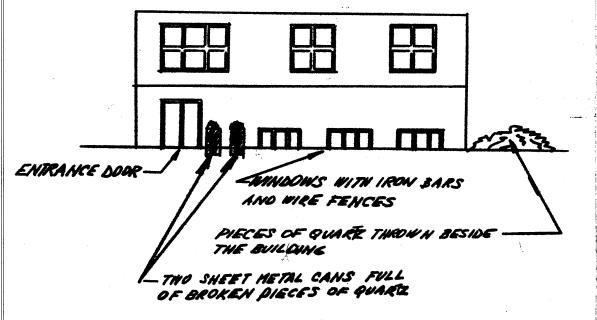
CHIMNEY 40x 30 cm COVERED .

ROAD IN FRONT OF FACTORY

BLENDING SECTION OF NO. 40

ENTRANCE INTO BUILDING NO. 40

FRONT VIEW OF THE BUILDING No. 40



C-O-N-F-I-D-E-N-T-I-A-L

	C-O-N-F-I-D-E-N-T-I-A-L	50X1-HUM
	Comments:	50X1-HUM
1.		
	the section was restricted to authorized Soviet personnel.	
	Comment:	50X1-HUM
2.	Although the quartz glass would not be suitable for use in rocket nose cones, according to available information there is a plant in the vicinity of the Dzerzhinsk Plant which produces glass fibre.	
	Comments:	50X1-HUM
3.	"Section 40" produced ceramic materials, the raw product for which came from the Ural Mountains. The processed materials of "Section "40" were resistant to high temperatures and were used not only in the manufacture of rockets but also in instruments such as pyrometers for measuring high temperatures.	
		50X1-HUM
	C-O-SN-JP-CI-JD-JE-IN-I-I-A-L	50X1-HUM

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CENTRAL INTELLIGENCE AGENCY

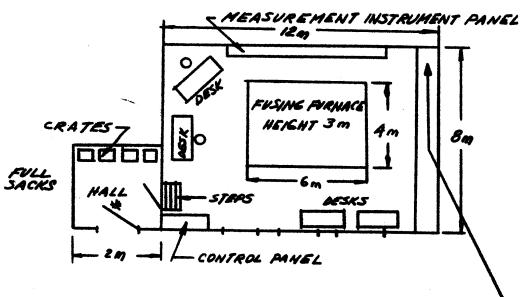
This material contains information affecting the National Defense of the United States within the meaning of the Espionage Laws, Title 8, U.S.C. Secs. 783 and 784, the transmission of revelation of which in any manner to an unsufficient of problems.

		C-O-N-F-I-D-E-N	- T- I- A-I.				50X1-HUM
COUNTRY	USSR (Vladimir Oblast)		REPORT				· · · · · · · · · · · · · · · · · · ·
SUBJECT	Production of Rocket a Materials at Dzerzhins Factory		DATE DISTR.	19 5	July 1961		
			REFERENCES				50X1-HUN
ATE OF IFO. ACE & ATE ACQ.							·
							`
1.	in Gus Khrustalnyy (N	55_37 F liO_liO\			Glass Fac		
	there is an old build: 40" (See sketches 1 am produced in this build: The moulds for the pro- powdered graphite. The and engaged in experime	ng in a restrict d 2). 1 As of Ju ing for use in m duction of the q is section also	ed area refer ly 1960, quar anufactureosf uartz glass w produced othe	red to the standard s	o as "Sect ass was be ets (sic). ade by pre eproof mat	ion ing 2 ssing	
2.	there is an old building 40" (See sketches 1 among produced in this build. The moulds for the propowdered graphite. The and engaged in experiments	ng in a restrict d 2). As of Ju ing for use in m duction of the q is section also entation. The central laborat h quartz glass w	ed area refer ly 1960, quar anufactureoff uartz glass we produced other section worked ory of the Dzhich contained	red to tz gl	o as "Sect ass was be ets (sic). ade by pre eproof mat shifts. nsk Glass bubbles.	ion ing 2 ssing erials	50X1-HU
2.	there is an old building 40" (See sketches I amproduced in this build. The moulds for the propowdered graphite. The and engaged in experiments of the propowdered graphite and engaged in experiments.	ng in a restrict d 2). As of Ju ing for use in m duction of the q is section also entation. The central laborat h quartz glass w	ed area refer ly 1960, quar anufacture offuartz glass we produced other section worked ory of the Dzhich contained glass contained	red t tz gl hock were m er fir ed in erzhi d air	o as "Sect ass was be ets (sic). ade by pre eproof mat shifts. nsk Glass bubbles.	ion ing 2 ssing erials	50X1-HU
2.	there is an old building to "(See sketches I ame produced in this build. The moulds for the propowdered graphite. The and engaged in experiments at the were experimenting with which closely resembled.	ng in a restrict d 2). As of Ju ing for use in m duction of the q is section also entation. The central laborat h quartz glass w	ed area refer ly 1960, quar anufacture offuartz glass we produced other section worked ory of the Dzhich contained glass contained	red t tz gl hock were m er fir ed in erzhi d air	o as "Sect ass was be ets (sic). ade by pre eproof mat shifts. nsk Glass bubbles.	ion ing 2 ssing erials	50X1-HU 50X1-HUN
	there is an old building to " (See sketches I amproduced in this build. The moulds for the propowdered graphite. The and engaged in experiments soviet chemists at the were experimenting with which closely resembled laboratory.	ng in a restrict d 2).1 As of Ju ing for use in m duction of the q is section also entation.3 The central laborat h quartz glass w The d those observed cial section whi e of space ships e of 1,800 degre	ed area refer ly 1960, quar anufactureoff uartz glass w produced othe section worke ory of the Dz hich containe glass contai at the Dzerz ch produced q . This quart es without lo	red t tz gla pock ere m er fir ed in cerzhi ed air ned a chinsk	o as "Sectass was beets (sic). ade by preeproof matshifts. msk Glass bubbles. ir bubbles central glass all ss could bets solid	ion ing 2 ssing erials Factory egedly e form	

50X1-HUM

SKETCH No. 1. NOT IN SCALE

PLAN OF THE INTERIOR OF BUILDING No. 40



* PLACE WHERE THE MAIN FURNACE IS LOCATED IS ABOUT 2.5 M BELOW THE HALL,

CLOLNEF THE ELNET ALL

SKETCH SHOWING THE LOCATION OF BUILDING NO. 40

C-O-N-F-I-D-E-N-T-I-A-L

-3-

50X1-HUM

SKETCH # 2 NOT IN SCALE

FACTORY ENTRANCE

ROAD IN FRONT OF FACTORY

POLISHING SECTION

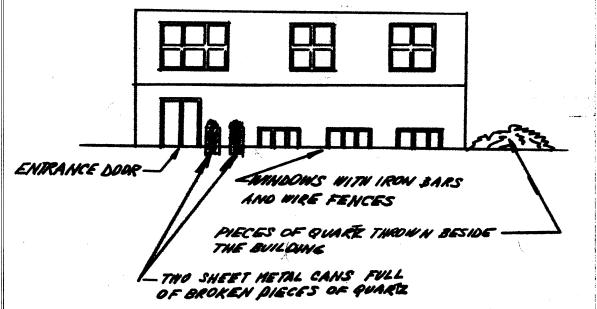
METAL CHIMNEY 30cm IN DIAM.

CHIMNEY 40 x 30 cm COVERED -

BLENDING SECTION OF NO. 40

ENTRANCE INTO BUILDING NO. 40

FRONT VIEW OF THE BUILDING No. 40



C-O-N-F-I-D-E-N-T-I-A-L

	C-O-N-F-I-D-E-N-T-T-A-I.	50X1-HUM
	Comments:	50X1-HUM
1.	the section was restricted to authorized Soviet personnel.	
	Comment:	50X1-HUM
2.	Although the quartz glass would not be suitable for use in rocket nose cones, according to available information there is a plant in the vicinity of the Dzerzhinsk Plant which produces glass fibre.	
	Comments:	50X1-HUM
3.	produced ceramic materials, the raw product for which came from the Ural Mountains. The processed materials of "Section "40" were resistant to high temperatures and were used not only in the manufacture of rockets but also in instruments such as pyrometers for measuring high temperatures.	
		50X1-HUM
	C- O-347歩で上プレッ歩 (N- I- I- A- I'	50X1-HUM

